

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 16:25:00 ; Search time 154.274 Seconds
(without alignments)
10334.327 Million cell updates/sec

Title: US-09-807-933B-4

Perfect score: 1101
Sequence: 1 atgagattactactattac.....caggtgttcagaataaa 1101

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 3059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	194.2	17.6	1473	10	US-09-735-787-3
2	181.2	16.5	1423	9	US-10-007-521-9
3	178	16.2	927	9	US-10-007-521-5
4	177.8	16.1	960	9	US-10-007-521-1
5	177.8	16.1	1132	9	US-10-007-521-21
6	176.8	16.1	894	9	US-10-007-521-3
7	166	15.1	1154	9	US-10-007-521-7
8	163.8	14.9	913	9	US-10-007-521-13
9	162	14.7	885	9	US-10-007-521-23
10	158.8	14.4	1174	9	US-10-007-521-11
11	154.6	14.0	1060	9	US-09-261-329-23
12	150.4	13.7	1060	10	US-09-735-787-1
13	135.4	12.3	808	9	US-10-007-521-15
14	134	12.2	1031	9	US-10-007-521-19
15	134	12.2	1048	9	US-10-007-521-17
16	125.2	11.4	425	9	US-10-007-521-25
17	70.6	6.4	936	7	US-08-841-636A-30
18	61	5.5	225	9	US-10-007-521-31
19	59.6	5.4	177	9	US-10-007-521-33

20	58.8	5.3	171	9	US-10-007-521-51	Sequence 51, Appl
21	55.8	5.1	159	9	US-10-007-521-47	Sequence 47, Appl
22	55.8	5.1	180	9	US-10-007-521-69	Sequence 69, Appl
23	54.4	4.9	165	9	US-10-007-521-77	Sequence 77, Appl
24	49.6	4.5	1506	10	US-09-981-900B-20	Sequence 20, Appl
25	48.2	4.4	147	9	US-10-007-521-57	Sequence 57, Appl
26	46.6	4.2	150	9	US-10-007-521-67	Sequence 67, Appl
27	46.4	4.2	159	9	US-10-007-521-71	Sequence 71, Appl
28	45	4.1	180	9	US-10-007-521-41	Sequence 41, Appl
29	44.8	4.1	166	9	US-09-916-494A-3	Sequence 3, Appl
30	44.8	4.1	1635	10	US-09-864-761-20241	Sequence 20241, A
31	44.8	4.1	1973	10	US-09-864-761-3471	Sequence 3471, Ap
32	43.8	4.0	177	9	US-10-007-521-37	Sequence 37, Appl
33	43.8	4.0	558	9	US-09-998-660-1	Sequence 1, Appl
34	43.8	4.0	888	10	US-09-742-693-34	Sequence 34, Appl
35	42.6	3.9	1075	10	US-09-864-761-19241	Sequence 19241, A
36	42.6	3.9	1403	10	US-09-864-761-2513	Sequence 2513, Ap
37	41.6	3.8	114	9	US-10-007-521-61	Sequence 61, Appl
38	40.6	3.7	153	9	US-10-007-521-49	Sequence 49, Appl
39	40.6	3.7	160	9	US-10-007-521-75	Sequence 75, Appl
40	40.2	3.7	574	10	US-09-864-761-228	Sequence 228, App
41	40.2	3.7	669	9	US-09-864-761-17051	Sequence 17051, A
42	40.2	3.7	1952	9	US-10-197-294A-1	Sequence 1, Appl
43	39.8	3.6	153	9	US-10-007-521-39	Sequence 39, Appl
44	38.4	3.5	1365	9	US-10-213-990-8	Sequence 8, Appl
45	38	3.5	358	10	US-09-864-761-17669	Sequence 17669, A

ALIGNMENTS

RESULT 1
US-09-735-787-3
Sequence 3, Application US/09735787
Patent No. US20010036910A1

GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Schelleisen, Jan Moller
Patkar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme

NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESSEE: NO. US20010036910A10 No. US20010036910A1disk of No. US200100369
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambitis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs


```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999

```

[illegible]

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambdiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 113..787
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-007-521-1

Query Match 16.1%; Score 177.8; DB 9; Length 960;
Best Local Similarity 58.6%; Pred. No. 1e-47;
Matches 371; Conservative 0; Mismatches 247; Indels 15; Gaps 3;

471 CTCTGGTAAAGGTGCACTACTGTTATGGAGTTGCTGTAGAGGCTCTGTACTGACC 530
172 CTGGGCAATCGCCAGAGACCCGGTACTGGAGCTGTCAAGCCGAGCGCTGAC 231
531 CGGTAAAGCAATGTCACTTCTCTGCAAGTCTGTAACTGTTAAAGATGTTGCTGCT 590
232 CGGCAAGAGGCCC--CTGCTCTCGGTGAGGAGGCTGCGAAGAAAGCAACCCGCTCAA 288
591 TAGTACAGCAATGTCCAAAGTGTGCTGTAACTGTTAAAGT--TACATGTGTAAAGA 647
289 CAGCGCGGCTCCACCGGCTCGGCTGCGAGCGGCGGCGAGCGCTACATGTCCTC 348
648 CAACCAAGCTTGGGCTGTAAAGATATCTTGTCTATGTTGCTGCTGCTGCATCAG 707
349 CAGAGCCCTGAGCGGCTGAGCGAGAGCTGTGTAGCGCTGAGCGGCGCTCAAGCTGC 408
708 TGTGTGTGTGAATGTCTGCTGTGCTGTCTGTGTGAACTTACTTCACTTCTACTC 767
409 CGGAGCTTCGAGTGTGAGTGTGCTGCTGCTGCTGCTGAGCTGAGCTTCAACAGCGGAC 468
768 TGTGTGTGTAGAGATGTTATCAAGTCACTAAGCTGTGTGTGATTTGGCTCTC 827
469 GGTGCGGAGCAAGAGATGTTGTGAGGAGCAACACCGTGTGCGACTGGGCTG 523
828 TACTGTGTGCTGCTTGTGCAATGCGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGT 887
524 ---GACAACTGCTTGTGCTTGTGCAATGCGCGGTGTGTGTGTGTGTGTGTGTGTGT 947
888 CTTCAGCAATGGGTGTCTCCAAATGACGGTTGGGCTGAGATACGGTGTGTATTTCTTC 947
580 CACCGACAGTACGGGCTGCTCCCGAAGCGCTGGGCGAAGCCCTACCGGCGCATTCATTC 639
948 TGCATGTGCTGCTTGTGCTTCTTCCGACTGCGAAGTGTGTGTGTGTGTGTGTGTGTGT 1007
640 CAGAGAAAGTGTGAATCTTCCCGAGGCGCTTCAAGCCGCTGCAACTGAGCCCTTGA 699
1008 CTGTTCAAGAAAGCTGTAAACCAAGCATGACTTCAAGAAATTAAGTGTCTTCCAAAGA 1067

Db 700 CTGTTCCAAACCGCCGACAAACCCCTGCTGCTACCTTCCAGAGATGGCTCCCGTGGCA 759
Qy 1068 AATCACCAGCAAGAGGTTGTTCAAGAAATA 1100
Db 760 GCTCAGCTCAAGAGCGGCTGCTCCGTTAAGA 792

RESULT 5

US-10-007-521-21
Sequence 21, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Laessen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSES: No. US20030054539A1o No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambdiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 1132 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 42..971

SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-007-521-21

Query Match 16.1%; Score 177.8; DB 9; Length 1132;
Best Local Similarity 57.8%; Pred. No. 1.2e-47;
Matches 383; Conservative 0; Mismatches 262; Indels 18; Gaps 3;

426 CTCTTCACTTACGCGCAAAATCTCCATGCTCTGAGTGGCTCTGATAAGGTTG 485
Db 50 CTCTGAGTCTCATCGGCTCGTGGCGGTGTGTGCGCCGCAAGTCTCTGTGCAACGCGCG 109
Qy 486 CACTACTGTTATGGAGTTGCTGTAAAGCTCTCTGTGTAGCTGCGCGGTAAAGCCATGT 545
Db 110 CACCAAGATACAGGACTGTGTGCAAGCGGCTCTGTGCGGTGTGTGCGAAGAGGCTCTCGT 169


```

?      TYPE: nucleic acid
?      STRANDEDNESS: single
?      TOPOLOGY: linear
?      MOLECULE TYPE: cdna
?      FEATURE:
?      NAME/KEY: CDS
?      LOCATION: 41..706
?      SEQUENCE DESCRIPTION: SEQ ID NO: 13
US-10-007-521-13

```

Query Match	14.9%	Score	163.8	DB	9	Length	913
Best Local Similarity	56.5%	Pred	No. 4.1e-43				
Matches	353	Conservative	0	Mismatches	257	Indels	15
						Gaps	2

OY	477	TAAGGATCACTACTGTTATTTGGGATTTGCTGTAAAGGCTCTGTAGTGGCCCGGATA	536
Db	100	TAGCGGCTGACAAACAGTACTGGAGTCTGTCAAGCCGTTTGCTTGGACGGGACA	159
OY	537	GGCCAAATGTCAGTTCTCTGTCAATCTCTGTAACAAAGTGTGTCACTGCCCTTAAGTA	596
Db	160	AGCATCGTCTTCMAAGCCCGTGGAAACCTGGCAGATCAACGATAAGGCCAAGCCGAG	219
OY	597	CAGCAATGTCCAAAGTGGCTGTAAACGGTGTAAACGTTACATATGTGAACGACACAGCC	656
Db	220	CGATCTGCTCAAGTGTCTGTGTGAATGGCGGCGAGCCCTATCTATCAGACGAACAGAGCCC	279
OY	657	TTGGGCTTAAACGATTAATCTTGCCTATATGTTTCGCTGCTGTGCATCATGTGTGTGTGG	716
Db	280	ATGGGCGCTGAACGACAGACCTTTTCTTAGCGCTTCGCTGCGCCAAAGCTGTCCGAAAGA	339
OY	717	TGAATCTCGTGTGTCTGTCTTGTGTTTCGAACTTAATTCACTTACTCTGTGTTGCTGG	776
Db	340	GGAGACTATTTGTGTCTGTGGCTGTACAAAGCTCAATTCACCTCCACGCGGTTCGGG	399
OY	777	TAAGAAGATGGTTATCCAAAGTCACATAACATCTGTGTGTATCTTGGCTCCTTAATGTGTGC	836
Db	400	CAGGAATAATGATCGGCAAAATACGAACAGCGGCGCGACCTCGGAAAC-----AA	450
OY	837	TCACTTTGACTTGCAAATATGCCCGGTGTGTGTGTGTGTATTTTCAATGTGTGCTCGAAGA	896
Db	451	CCACTTTCGACATCGGCATATCGCGGGGCGCGCGCTCGGCATCTTTCMAAGGTTGCTTCAGA	510
OY	897	ATGGGAGTCTCCCAATGAACGTTGGGAGCTCGAGATACGGTGTATTTCTTCTGTCAATCTGA	956
Db	511	ATGGAACGGGCATCAATCT-----GGGCAACACAGATATGGCGGCTTTCATCGAACCGCTCGCA	564
OY	957	CTGCTCTATGATCTTCTTCCGCACTCCAAAGCTGTGTGTAAATGGAATTAACGTGTGCA	1011
Db	565	ATGTGCGAAGCTCCCGTCCAAAGTGGAGGCGACGTGCACATGTGGCGTGTGACCTGGTTGCA	624
OY	1017	GAACGCTGATAACCCAAAGCATGACTTACAAAGAAATTAACCTGTCCCAAGAAATACACGC	1077
Db	625	GAATGCGCAACCCACCGTGTGATTTGGAGCGCTGTCACTTCCCAAGAAATTTGGTGC	684
OY	1077	CAGACAGAGTTGTTCAAGAAATTA	1101
Db	685	CCGAGCTGAGCTGTTCCTCGTACCTAA	709

RESULT 9
US-10-007-521-23
Sequence 23, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglycanase

```

NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. US20030054539A10 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambdis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 1..882
US-10-007-521-23
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-007-521-23
Query Match 14.7%; Score 162; DB 9; Length 885;
Best Local Similarity 56.5%; Pred. No. 1.6e-42;
Matches 350; Conservative 0; Mismatches 255; Indels 15; Gaps 2;

Qy 477 TAAAGTGTCACTACTGTTATTGGAGTTGCTGTAAGGCTCTGTAGCTGGCCGGTAA 536
Db 60 TAGGGGGGTGCAACAGTACTGGAGCTGCTGCAAGCCGCTTGTCTTGAGACGGGCAA 119
Qy 537 GGCACATGTCACTTCTCTGTCAAGTCTGTAAACAAGATGTGTCACTGCCCTTATGA 596
Db 120 AGCATTCGCTGCCAAGCCGTCGGAACTCTGCATCAACAGACAAACCCAGCCGAG 179
Qy 597 CAGCAATGTCCAAAGTGGCTGTAAAGGTGTAACAGTTACATGTGTAAAGCAACACAGCC 656
Db 180 CGATCTGTCAAGTCGTCTGTGTATGTGGCGGAGGCGCTTACTACTGACGAACACAGGCC 239
Qy 657 TTGGGCTGTAAACGATTAATCTTGTCTATGTGTTTGTGCTGTGCTGCATCAAGTGTGTG 716
Db 240 ATGGGCGGTGAACAGACAGCTTCTTCTACGGCTTGCTGCGGCAAGCTGTCCGAAAGCA 299
Qy 717 TGAATCTCGCTGTGTCTGTCTTGTTTTGAACCTTACTTTTCACTTCTTCTGTGTGG 776
Db 300 GGAACATGATTTGGTGTGTGTGTGTCTAACAAGCTTCAACCTTCAACGCGCGTTTCCG 359
Qy 777 TTAAGAATGTTATTCACAGTCACTAACAAGTGTGATCTTGGCTCTTACTGTGTGC 836
Db 360 CAAACAAATGATCTGTCAATCAGAACACAGGCGGAGCACTCGGCAAC-----AA 410
Qy 837 TCACCTTGTACTTGGAAATGCCCGGTGTGTGTGTGTATTTTCAATGATGTGCTTCAAGCA 896
Db 411 CCACTTGAGATGCGCAATGCCGGGCGGCGGTGTGCGATCTTCAACGGGATGTCTCAAGCA 470
Qy 897 ATGGAGTGTCTCCCATATACGGTTGGGCTGGAAGATACGGTGTATTTCTTCTGTGATCTGA 956

```

Db 471 ATGGAACGGCATCAATCT------GGGGAACAGATATGGCGGCTTCACTGACCGCTGCA 524
Qy 957 CTGCTCTAGCTCTTCTTCCGACATCCAGCTGTTGTAATGAGATTCAACTGTTCA 1016
Db 525 ATGTGGACGCTCCGCTCCAGTGGCAGGCGCACTGCACTGAGCTTCACTGTTCA 584
Qy 1017 GAACGCTGATMAACCCAGCATGATCTTCAAGAACTTACCTGTTCCAGAGAAATCACCGC 1076
Db 585 GAATGCCGACACACCCGACCTGATGAGAGCTGTTCACTGCTCCAGAGAAATGATGCGC 644
Qy 1077 CAAGACAGGTGTTCAAGAA 1096
Db 645 CCGAGCTGGCTCTTCCGCTA 664

RESULT 10

US-10-007-521-11
Sequence 11, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schulein, Martin
Andersen, Lene N.
Laessen, Soren F.
Kaupinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ikari, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucaases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A10 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Landitis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1174 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 60..956
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-007-521-11

Query Match 14.4% Score 158.8; DB 9; Length 1174;
Best Local Similarity 56.9%; Pred. No. 2.2e-41;
Matches 361; Conservative 0; Mismatches 252; Indels 21; Gaps 3;

Qy 455 TTGTCTGTGATGAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 514
Db 109 TGTGTCTGTGATGAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 168
Qy 515 CCTCTGTGATGAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 574
Db 169 CGTGTGATGAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 225
Qy 575 ATGTGTCACTGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 634
Db 226 CCAACTTCAAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 285
Qy 635 ACATGTGTAAGCAACCAAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 694
Db 286 ACTCTGTGATGAGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 345
Qy 695 CTGCTGATCAAGTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 754
Db 346 CGACGAGATGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 405
Qy 755 TCATCTTCACTGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 814
Db 406 TCACTTCCGATGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 465
Qy 815 ATTTGCTCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 874
Db 466 ACCTGGG-----AAGTAACTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 934
Qy 875 TTTCATGTTGCTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 994
Db 517 TCTTCAAGCTGCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 567
Qy 935 GTGTATTTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 627
Db 568 GCGCATTTCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 687
Qy 995 AATGATTTCACTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 1054
Db 628 AGTGGGTTGATGCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 687
Qy 1055 CCGTGTCCAGAAATCAAGCTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 1088
Db 688 AGTGGGTTGATGCTGTGTAAGGTGATCACTATCTGTTATTGGATTGCTGTAAG 721

RESULT 11

US-09-261-329-23

Sequence 23, Application US/09261329
Publication No. US20030092097A1

GENERAL INFORMATION:

APPLICANT: Andersen, Kim
APPLICANT: Schulein, Martin
APPLICANT: Christensen, Lars
APPLICANT: Damgaard, Bo
APPLICANT: Von Der Osten, Claus
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT APPLICATION NUMBER: US/09/261,329
EARLIER FILING DATE: 1998-03-03
EARLIER APPLICATION NUMBER: 1013/96
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 1261
TYPE: DNA
ORGANISM: Humicola grisea
US-09-261-329-23

Query Match 14.0% Score 154.6; DB 9; Length 1261;
Best Local Similarity 57.6%; Pred. No. 5.5e-40;
Matches 346; Conservative 0; Mismatches 234; Indels 21; Gaps 3;

QY 488 CTACTGTTATTTGGGATTTGCTGTAAAGGCTCTGAGCTGGCCCGTAAGGCAATGCA 547
 Db 128 CGACCAATACTGGAAGCTGCTGCAAGCCATGCTGCTTGGCCCGAAGGCACTGCTGA 187
 QY 548 GTTCTCTGTCAAGTCTCTGTAAAGATGCTGCTGCTTGAAGCAAGATGCTCC 607
 Db 188 ACGAGCCGTGTC---TTGACTTGGCAGCGCAAAATTCAGCGCATACCGAAGCCCAATGCA 244
 QY 608 AAATGCTGTAAAGGCTGTAAAGATGCTGCTGCTTGAAGCAAGATGCTCC 667
 Db 245 AGTGGGCTGTAAAGGCTGTAAAGATGCTGCTGCTTGAAGCAAGATGCTCC 304
 QY 668 ACGATTAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 727
 Db 305 ACGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 364
 QY 728 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 787
 Db 365 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 424
 QY 788 TTATCCAGTCACTAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 847
 Db 425 TCGTCAAGTCAAGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 475
 QY 848 TGCAAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 907
 Db 476 TCGCAATTCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 535
 QY 908 CCAATGACGCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 967
 Db 536 TCGCTGGGGAAGCGC-----TACGCTGCAATCTGCAAGCCGACCTCTGCACTGCT 586
 QY 968 TTCTCTCGCACTCCAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1027
 Db 587 TCCCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 646
 QY 1028 ACCGAGATGCTTAAAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1087
 Db 647 ACCGAGATGCTTAAAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 706
 QY 1088 G 1088
 Db 707 G 707

RESULT 12
 US-09-735-787-1
 Sequence 1, Application US/09735787
 Patent No. US20010036910A1
 GENERAL INFORMATION:
 APPLICANT: Rasmussen, Grethe
 Mikkelson, Jan Moller
 Schuelein, Martin
 Packard, Shankant A.
 Hagen, Fred
 TITLE OF INVENTION: A Cellulase Preparation Comprising an
 Endoglucanase Enzyme
 NUMBER OF SEQUENCES: 33
 CORRESPONDENCE ADDRESS:
 ADDRESS: No. US20010036910A1 No. US20010036910A1disk of No. US20010036910A1
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/735,787

FILING DATE: 13-Dec-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/189,028
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 3469, 214-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1060
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 HYPOTHEetical: NO
 ORIGINAL SOURCE:
 STRAIN: DSM 1800
 FEATURE:
 NAME/KEY: mat_peptide
 LOCATION: 73..924
 FEATURE:
 NAME/KEY: sig_peptide
 LOCATION: 10..72
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 10..924
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-09-735-787-1
 Query Match 13.7%; Score 150.4; DB 10; Length 1060;
 Best Local Similarity 55.5%; Pred. No. 1.2e-38;
 Matches 342; Conservative 0; Mismatches 256; Indels 18; Gaps 2;
 QY 473 CTGCTAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 532
 Db 71 CCGCTGATGCGAGGCTGCAAGCCGCTGCAAGCTGCTGCAAGCTGCTGCGGCGGCA 130
 QY 533 GTAAGCCAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 592
 Db 131 AGAAGCTCCCGTAAACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 190
 QY 593 GTGACAGCAATGCTCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 652
 Db 191 ACTTGAAGCCCAAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 250
 QY 653 AGCTTGGGCTGTAAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 712
 Db 251 CCCATGCGCTGTAAAGAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 310
 QY 713 GTGCTAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 772
 Db 311 GCATGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 370
 QY 371 CTGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 426
 Db 371 CTGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 426
 QY 427 -----CACTTGAATCTCAACATCCCGCGCGCGCTGCTGCTGCTGCTGCTGCT 481
 Db 833 GTGCTCACTTGAATCTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 892
 QY 893 AGCAATGCGGTGCTCCCAATGAGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 952
 Db 482 CCGAGTTCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 532
 QY 953 CTGCTGCTCTAGTCTTCTTCCGCACTGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1012
 Db 533 ACGAGTCAATCGGCTTCCCGAGCGCTCAAGCCGCGCTGCTGCTGCTGCTGCTGCTGCT 592

QY 1013 TCAGAGCGCTGATACCAAGCATGACTTACAGAGATTACTGTCACAGAAATCA 1072
DB 593 TCAGAGCGCGGACCAATCCGAGCTTCCGTCAGGTCACAGTCCAGCGAGCTGG 652
QY 1073 CCGCCAGAGACAGGTTG 1088
DB 653 TCGCTCGACCGGATG 668

RESULT 13
US-10-007-521-15
Sequence 15, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Soren F.
Larsen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-May-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 808 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 37..714
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-007-521-15

Query Match 12.3%; Score 135.4; DB 9; Length 808;
Best Local Similarity 54.8%; Pred. No. 8.7e-34;
Matches 340; Conservative 0; Mismatches 266; Indels 15; Gaps 3;

QY 481 GGTGTCACTACTGCTTATTGGATGCTGTAGAGCGCTCTAGCTGAGCCCGGTAAGCC 540
DB 112 GGAGTTACGACCGCGCTACTGCGAGCTGCGCAAGCCAGACTGTGATGAGGAAAGCT 171
QY 541 AATGTCACTTCTCTGTCAGATCTGTACAAAGATGTGTCACTGCTTATGTAAGC 600

DB 172 TCTGTTTCTCTCCTCATTGAACTTGGCATCGTAATGAAATACACTTGGCCCAAGACTG 231
QY 601 AATGTCCAAAGGCTGTGACGCTGTACAGTTACATGTGTAAAGCAACAGCCTTGG 660
DB 232 AAAGCGGATGTA---TAGCGGTGAACGTCACTTCACTTGGCGGCAAAATGTTCATTT 288
QY 661 GCTGTAAAGATATCTTGGCTTATGTTTTCGCTGCTGTCATCATGTGTGTGTA 720
DB 289 GCGATTACATATACATGATATGTTTGTGTCAGCCCACTTATAGCGGCTTACGAA 348
QY 721 TCTGCTGTGCTGCTTCTTGTTCGAACTTCACTTCACTTCACTTCTGCTGTAG 780
DB 349 GCGAGCTGTGTCTCCAGTGTCTAGAAATTAACCTTTACAGATGACCGCTAGTGGAG 408
QY 781 AAGATGTTATCAAGTCACTTACATCACTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
DB 409 AACTGACCGTTCAAGTCAACAAACAGGAGGTGACCTCG-----AATATATCAG 459
QY 841 TTGACTTGCAGATGCGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 900
DB 460 TTGACCTGATGATCCCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
QY 901 GGTGTCCCAATGACGTTGTGGGCTCGAGATACGTTGTGTGTGTGTGTGTGTGTGT 960
DB 520 TTGGAGCTGTGAAG---GGGTGTCTCAATACGCGGTGTGTGTGTGTGTGTGTGT 576
QY 961 TCTAGTCTTCTCTCGGACTCCAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1020
DB 577 TCCCACTTCCAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 636
QY 1021 GGTGTATACCAAGATGACTTACAAAGAGTTACTTGTCCCAAGAAATGACCGCAAG 1080
DB 637 GCGATTAACCCCAAGTCACTTCCAGCTGTGACCTGACCTGCGACGACTCAATATTC 696
QY 1081 ACAGTTTTCAGAAATTA 1101
DB 697 TCGGCTGT 717

RESULT 14
US-10-007-521-19
Sequence 19, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Soren F.
Larsen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20030054539A10 No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1031 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 11..889
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-007-521-19

Query Match 12.2%; Score 134; DB 9; Length 1031;
Best Local Similarity 54.7%; Pred. No. 3e-33;
Matches 338; Conservative 0; Mismatches 265; Indels 15; Gaps 3;

QY 481 GGTGCTACTACTGCTTATTTGGGATGCTGTAAAGGCTCTGTAGCTGCGCGTAAGGCC 540
DB 71 GGAATTGACAGCCCGTACTGAGACTGCTGCAAGCCAGCTGTGATGAGTGAAGGCT 130
QY 541 AATGTCACTTCTCTGTCAGTCTCTGTAAACAAAGTGTCTCATCTGCTTGTAGCAGC 600
DB 131 TCTGTTTCTGCTCCAGTCAAGTCACTGCGATGTAAATGAATTAACCTTGGCCAGACGTG 190
QY 601 AATGTCCAAAGTGTCTGTAAGGCTGTAAACAGTTACATGTGTAAAGAAACACAGCTTGG 660
DB 191 AAAAGCGGATGTGA--TAGCGGTGGAACGTCACTTCTGCGCAACAAATGTCATT 247
QY 661 GCTGTAAACGATTAATCTTGCCTATGCTTTCGCTGCTGCGCATCAAGTGTGTGTA 720
DB 248 GCGATGTACATTAACATGCAATGCTTTTCTGAGAGCCCACTAGCGGCTCTAGCGAA 307
QY 721 TCTGCTGTGCTGCTTCTTGTGGAACCTTAACCTTCACTCTGTGTCTGTGAAG 780
DB 308 GCACCTGTGTGTGCGACAGTCAAGATTGAAGTTAGAGTGAACCGTAGTGGAG 367
QY 781 AAGATGTATTCAGTCACTTAACATGCTGTGTATCTTGGCTCCTTAAGTGTCTAC 840
DB 368 AACTGACCGTTCAAGTCAAAACCGGAGGTGACCTCG--AAATATATC 418
QY 841 TTTGACTGCAAAATGCGGCTGTGTGTGTTGTTTCAATGATGTTCTCAAGCAATG 900
DB 419 TTTGACTGATGATCCCGGTGAGGTGTGTGCTTCTTCAACAGATGTCCTGCTAG 478
QY 901 GGTGCTCCCAATGACGTTGGGCTCGATACGCTGTGATTTCTTCTGCACTGACTGC 960
DB 479 TTTGGAGCTGGAAG--GGGGTGTCAATACGGGGGTGTGTCCAGCGGATGCAATGC 535
QY 961 TCTAGTCTTCTTCCGCACTCAAGCTGTGTAAATGAGATTCATCTGTTCAAGAC 1020
DB 536 TCCCAACTTTCAGACAGCTGTGCAAGCTGATGTCAATTCGTTTCACTGATGAGTGGC 595
QY 1021 GCTGATTAACCAAGATGACTTAAACAGGAAGTTACCTTCCAGAGAAATACCGCCAG 1080
DB 596 GCGATTAACCCCAAGTCACTTCCGACCTGTGACCTGCCAGCGACCTCAATATTC 655
QY 1081 ACAGGTGTTCAGAAAA 1098
DB 656 TCGGAGTGTGTCTGTA 673

RESULT 15
US-10-007-521-17
Sequence 17, Application US/10007521

Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schielein, Martin

Andersen, Lene N.

Lassen, Soren P.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. US20030054539A1o No. US20030054539A1d1e1 of No. US200300545

STREET: 405 Lexington Avenue, 64th floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-9655

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 1048 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 13..906

SEQUENCE DESCRIPTION: SEQ ID NO: 17:

US-10-007-521-17

Query Match 12.2%; Score 134; DB 9; Length 1048;
Best Local Similarity 54.7%; Pred. No. 3e-33;
Matches 338; Conservative 0; Mismatches 265; Indels 15; Gaps 3;

QY 481 GGTGCTACTACTGCTTATTTGGGATGCTGTAAAGGCTCTGTAGCTGCGCGTAAGGCC 540
DB 88 GGAATTGACAGCCCGTACTGAGACTGCTGCAAGCCAGCTGTGATGAGTGAAGGCT 147
QY 541 AATGTCACTTCTCTGTCAGTCTCTGTAAACAAAGTGTCTCATCTGCTTGTAGCAGC 600
DB 148 TCTGTTTCTGCTCCAGTCAAGTCAAGTGTGATGTAATGAATTAACCTTGGCCAGACGTG 207
QY 601 AATGTCCAAAGTGTCTGTAAGGCTGTAAACAGTTACATGTGTAAAGAACACACAGCTTGG 660
DB 208 AAAAGCGGATGTGA--TAGCGGTGGAACGTCACTTCTGCGCAACAAATGTCATT 264
QY 661 GCTGTAAACGATTAATCTTGCCTATGCTTTCGCTGCTGCGCATCAAGTGTGTGTA 720
DB 265 GCGATTAACATTAACATGCAATGCTTTTCTGAGAGCCCACTAGCGGCTCTAGCGAA 324
QY 721 TCTGCTGTGCTGCTTCTTGTGGAACCTTAACCTTCACTCTGTGTCTGTGAAG 780

